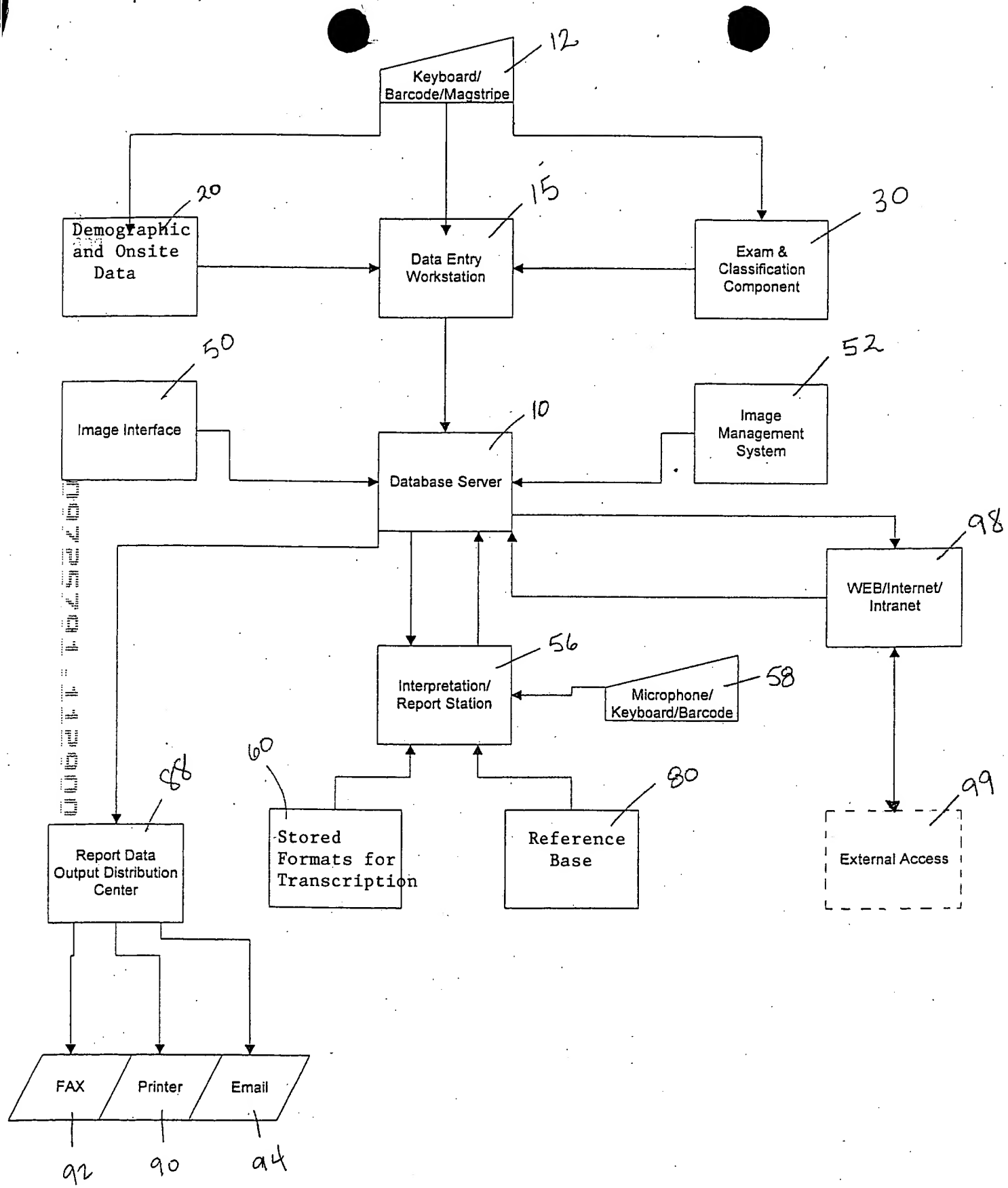
12
Keyboard/
Barcode/Magstripe
20
Demographic
and Onsite
Data
15
Data Entry
Workstation
30
Exam &
Classification
Component
50
Image Interface
52
Image
Management
System
10
Database Server
98
WEB/Internet/
Intranet
56
Interpretation/
Report Station
58
Microphone/
Keyboard/Barcode
60
Stored
Formats for
Transcription
80
Reference
Base
99
External Access
88
Report Data
Output Distribution
Center
FAX
Printer
Email
92
90
94

Figure 1

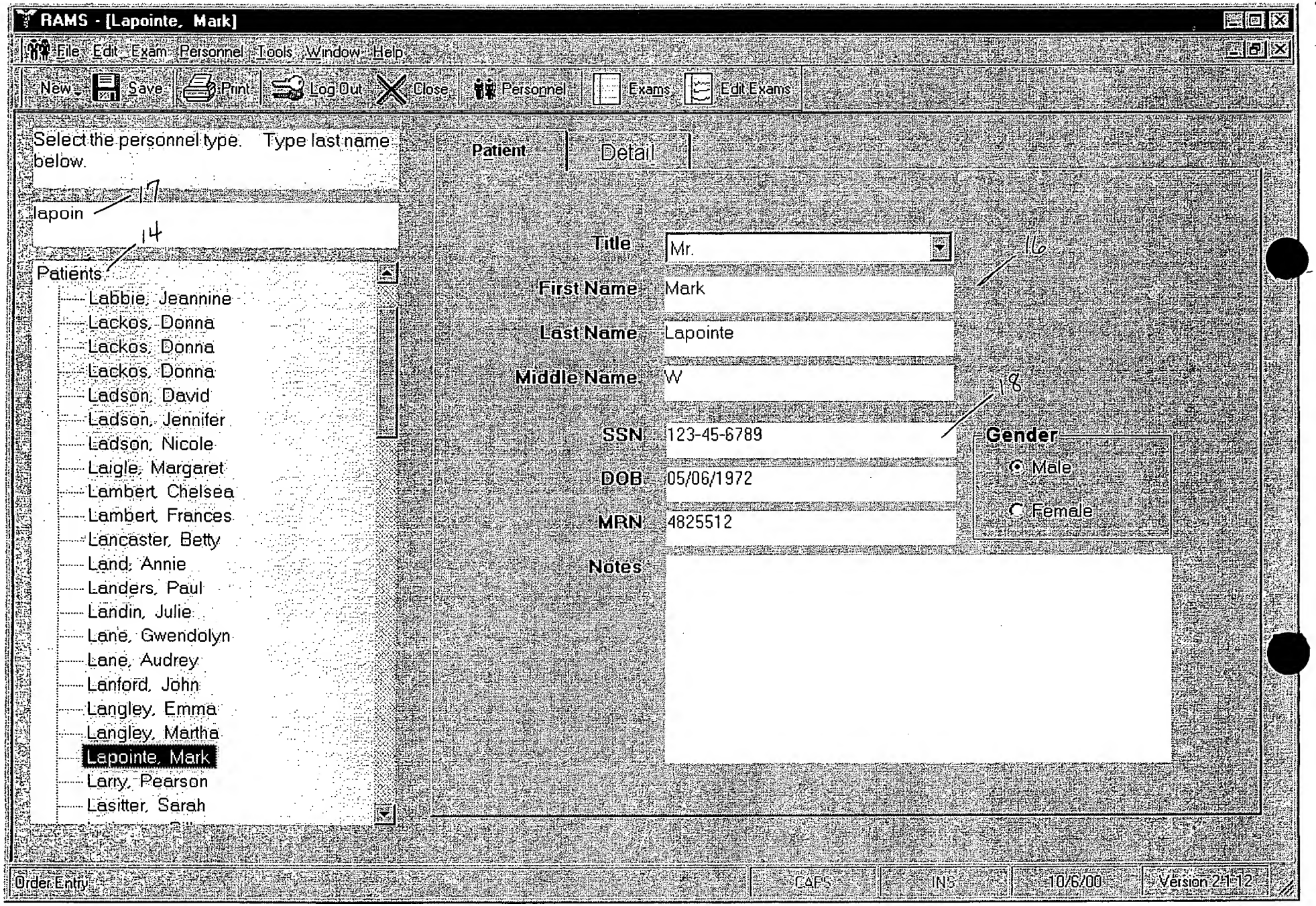
RAMS - [Lapointe, Mark]
File Edit Exam Personnel Tools Window Help
New Save Print Log Out Close Personnel Exams Edit Exams
Select the personnel type. Type last name below.
17
lapoin
14
Patients
Labbie, Jeannine
Lackos, Donna
Lackos, Donna
Lackos, Donna
Ladson, David
Ladson, Jennifer
Ladson, Nicole
Laigle, Margaret
Lambert, Chelsea
Lambert, Frances
Lancaster, Betty
Land, Annie
Landers, Paul
Landin, Julie
Lane, Gwendolyn
Lane, Audrey
Lanford, John
Langley, Emma
Langley, Martha
Lapointe, Mark
Larry, Pearson
Lasitter, Sarah
Patient
Detail
Title
Mr.
16
First Name
Mark
Last Name
Lapointe
Middle Name
W
18
SSN
123-45-6789
Gender
Male
Female
DOB
05/06/1972
MRN
4825512
Notes
Order Entry
CAPS
INS
10/6/00
Version 2.1.12

Figure 2

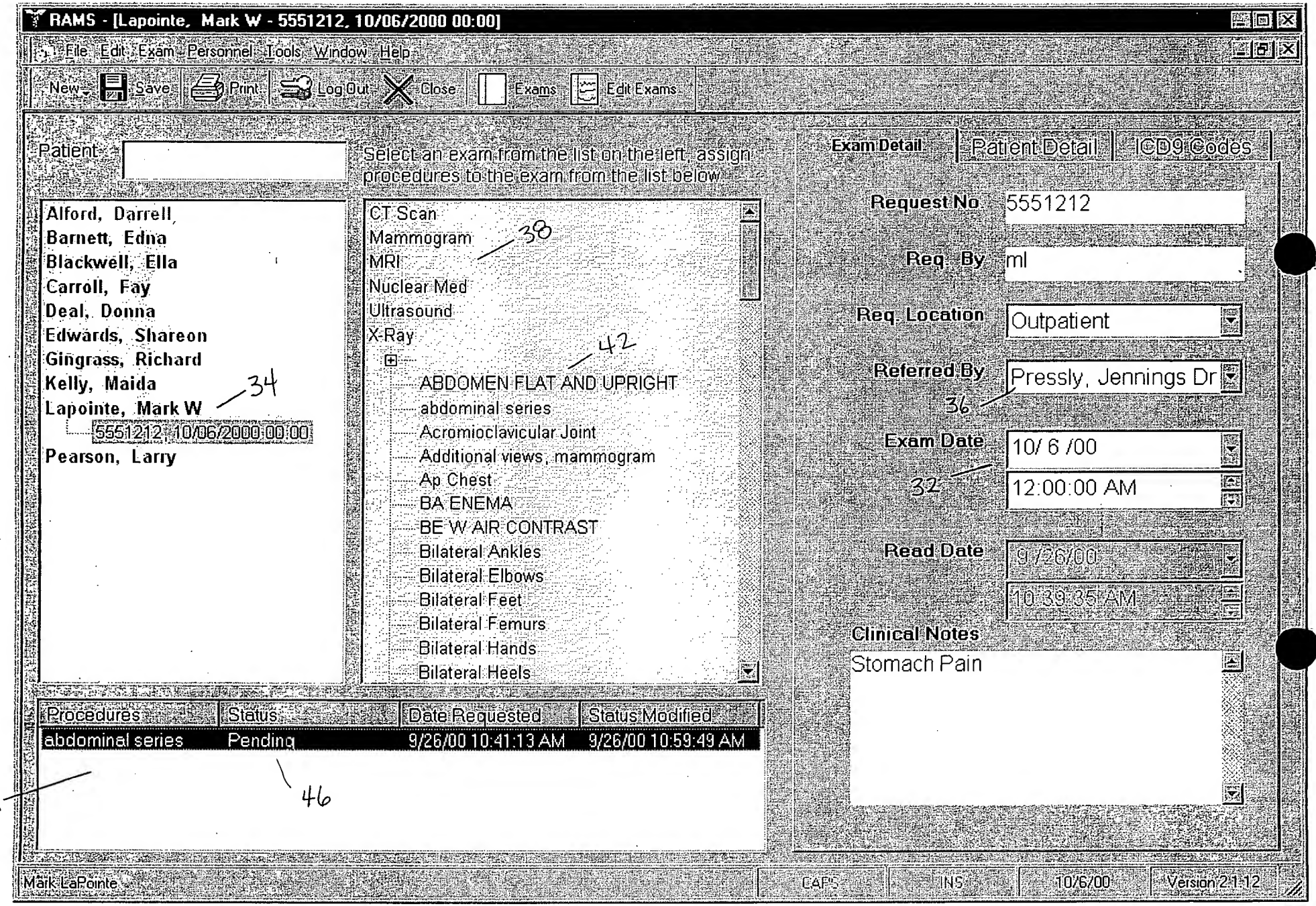
RAMS - [Lapointe, Mark W - 5551212, 10/06/2000 00:00]
File Edit Exam Personnel Tools Window Help
New Save Print Log Out Close Exams Edit Exams
Patient
Select an exam from the list on the left, assign procedures to the exam from the list below
Alford, Darrell
Barnett, Edna
Blackwell, Ella
Carroll, Fay
Deal, Donna
Edwards, Shareon
Gingrass, Richard
Kelly, Maida
Lapointe, Mark W
5551212 10/06/2000 00:00
Pearson, Larry
34
CT Scan
Mammogram
MRI
Nuclear Med
Ultrasound
X-Ray
38
42
ABDOMEN FLAT AND UPRIGHT
abdominal series
Acromioclavicular Joint
Additional views, mammogram
Ap Chest
BA ENEMA
BE W AIR CONTRAST
Bilateral Ankles
Bilateral Elbows
Bilateral Feet
Bilateral Femurs
Bilateral Hands
Bilateral Heels
Procedures
Status
Date Requested
Status Modified
abdominal series
Pending
9/26/00 10:41:13 AM
9/26/00 10:59:49 AM
44
46
Exam Detail
Patient Detail
ICD9 Codes
Request No
5551212
Req. By
ml
Req. Location
Outpatient
Referred By
Pressly, Jennings Dr
36
Exam Date
10/ 6 /00
32
12:00:00 AM
Read Date
9/26/00
10:39:35 AM
Clinical Notes
Stomach Pain
Mark LaPointe
CAPS
INS
10/6/00
Version 2.1.12

Figure 3

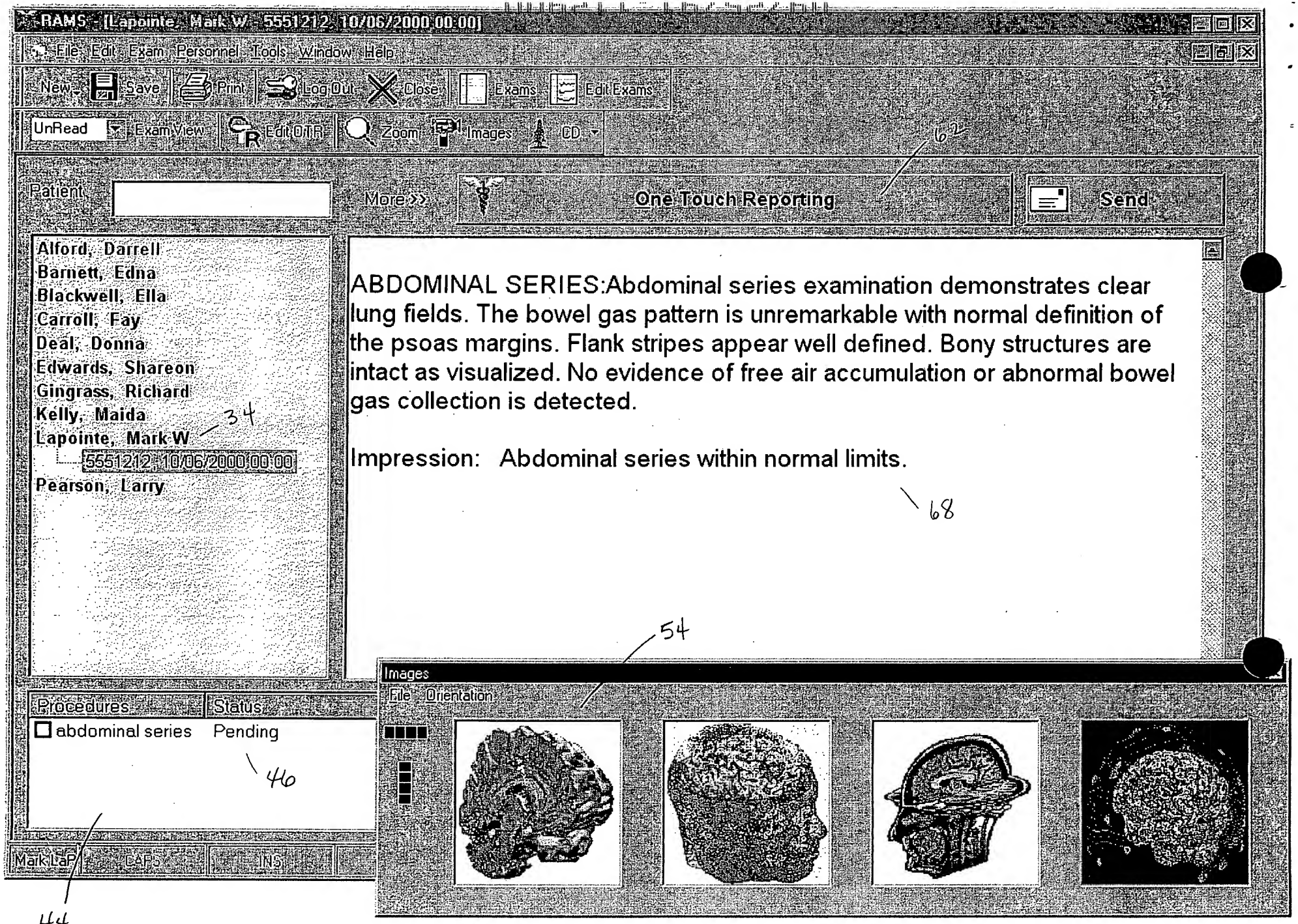
RAMS - [Lapointe, Mark W - 5551212 10/06/2000 00:00]
File Edit Exam Personnel Tools Window Help
New Save Print Log Out Close Exams Edit Exams
UnRead Exam View Edit O/R Zoom Images CD
62
Patient
More >>
One Touch Reporting
Send
Alford, Darrell
Barnett, Edna
Blackwell, Ella
Carroll, Fay
Deal, Donna
Edwards, Shareon
Gingrass, Richard
Kelly, Maida
Lapointe, Mark W
5551212 10/06/2000 00:00
Pearson, Larry
34
ABDOMINAL SERIES:Abdominal series examination demonstrates clear lung fields. The bowel gas pattern is unremarkable with normal definition of the psoas margins. Flank stripes appear well defined. Bony structures are intact as visualized. No evidence of free air accumulation or abnormal bowel gas collection is detected.
Impression: Abdominal series within normal limits.
68
54
Images
File Orientation
Procedures
Status
abdominal series Pending
46
Mark LaP
LAPS
INS
44

Figure 4

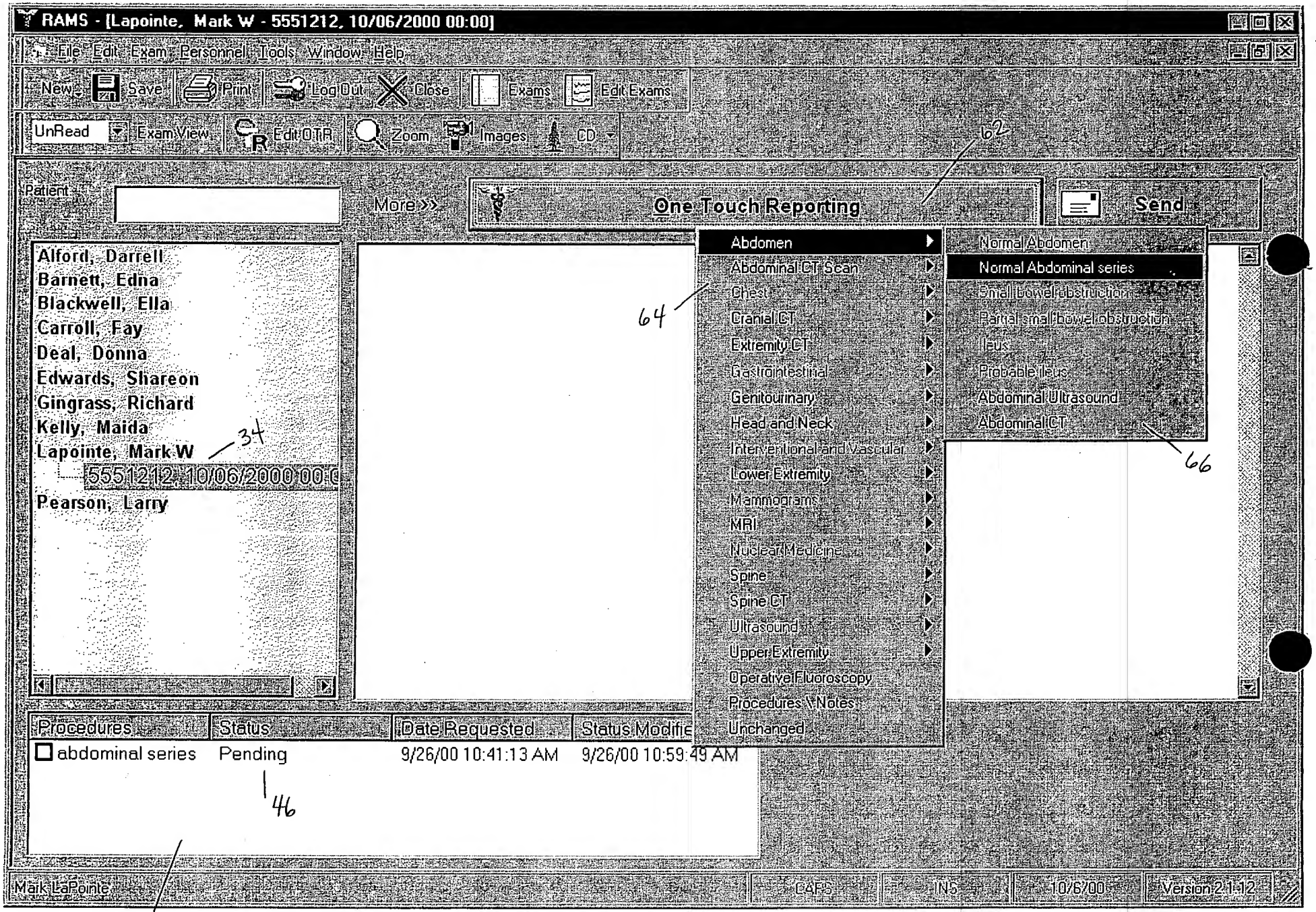
RAMS - [Lapointe, Mark W - 5551212, 10/06/2000 00:00]
File Edit Exam Personnel Tools Window Help
New Save Print Log Out Close Exams Edit Exams
UnRead Exam View Edit QTR Zoom Images CD
62
Patient
More >>
One Touch Reporting
Send
Alford, Darrell
Barnett, Edna
Blackwell, Ella
Carroll, Fay
Deal, Donna
Edwards, Shareon
Gingrass, Richard
Kelly, Maida
Lapointe, Mark W
34
5551212, 10/06/2000 00:0
Pearson, Larry
64
Abdomen
Abdominal CT Scan
Chest
Cranial CT
Extremity CT
Gastrointestinal
Genitourinary
Head and Neck
Interventional and Vascular
Lower Extremity
Mammograms
MRI
Nuclear Medicine
Spine
Spine CT
Ultrasound
Upper Extremity
Operative Fluoroscopy
Procedures \ Notes
Unchanged
Normal Abdomen
Normal Abdominal series
Small bowel obstruction
Partial small bowel obstruction
Ileus
Probable Ileus
Abdominal Ultrasound
Abdominal CT
66
Procedures
Status
Date Requested
Status Modifie
abdominal series
Pending
9/26/00 10:41:13 AM
9/26/00 10:59:49 AM
46
Mark LaPointe
CAPS
INS
10/6/00
Version 2.1.12
44

Figure 5

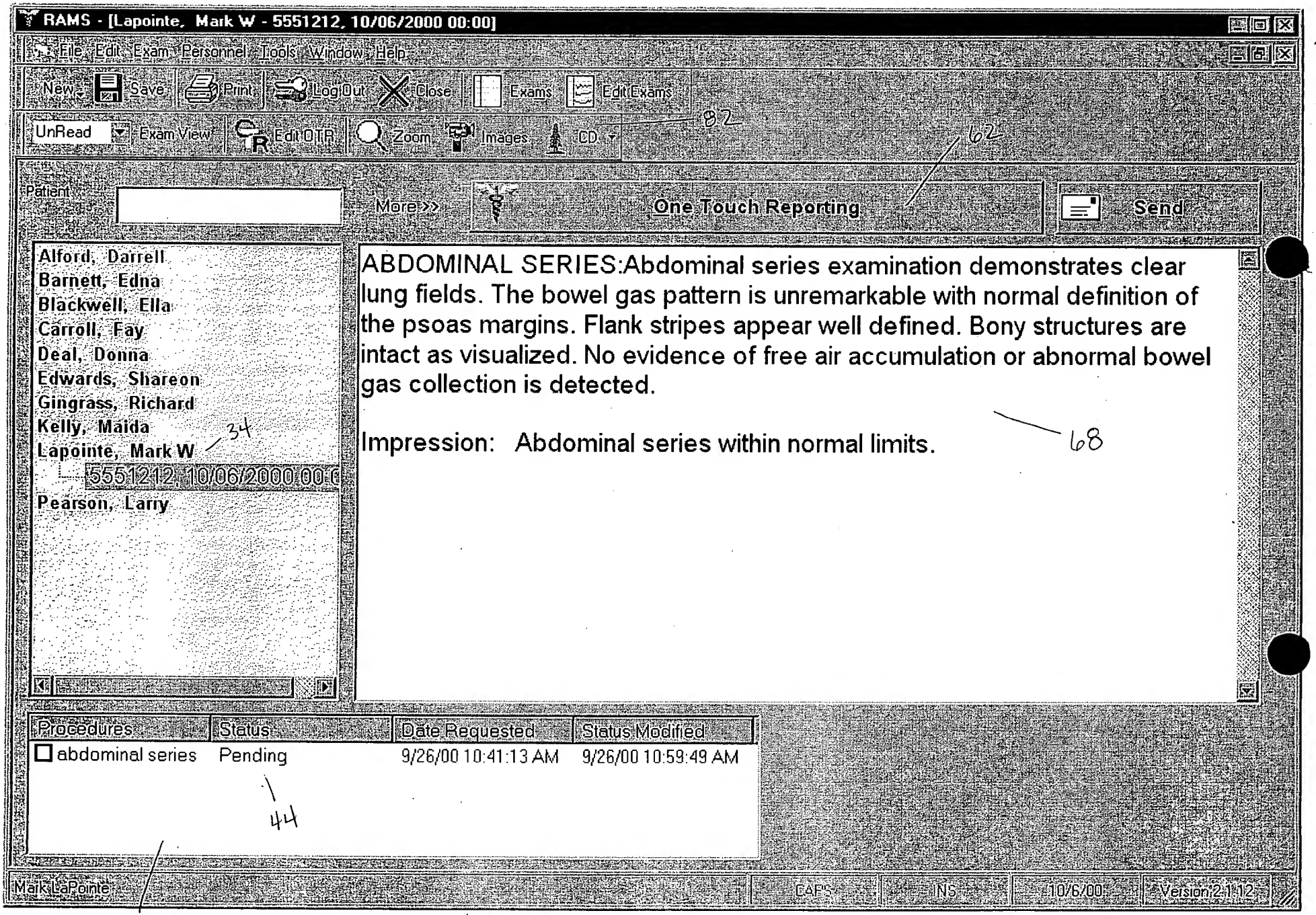
RAMS - [Lapointe, Mark W - 5551212, 10/06/2000 00:00]
File Edit Exam Personnel Tools Window Help
New Save Print Log Out Close Exams Edit Exams
UnRead Exam View Edit QTR Zoom Images CD
82
62
Patient
More>>
One Touch Reporting
Send
Alford, Darrell
Barnett, Edna
Blackwell, Ella
Carroll, Fay
Deal, Donna
Edwards, Shareon
Gingrass, Richard
Kelly, Maida
Lapointe, Mark W
34
5551212 10/06/2000 00:0
Pearson, Larry
ABDOMINAL SERIES:Abdominal series examination demonstrates clear lung fields. The bowel gas pattern is unremarkable with normal definition of the psoas margins. Flank stripes appear well defined. Bony structures are intact as visualized. No evidence of free air accumulation or abnormal bowel gas collection is detected.
Impression: Abdominal series within normal limits.
68
Procedures
Status
Date Requested
Status Modified
abdominal series
Pending
9/26/00 10:41:13 AM
9/26/00 10:59:49 AM
44
Mark LaPointe
CAPS
NS
10/6/00
Version:2.1.12
44

Figure 6

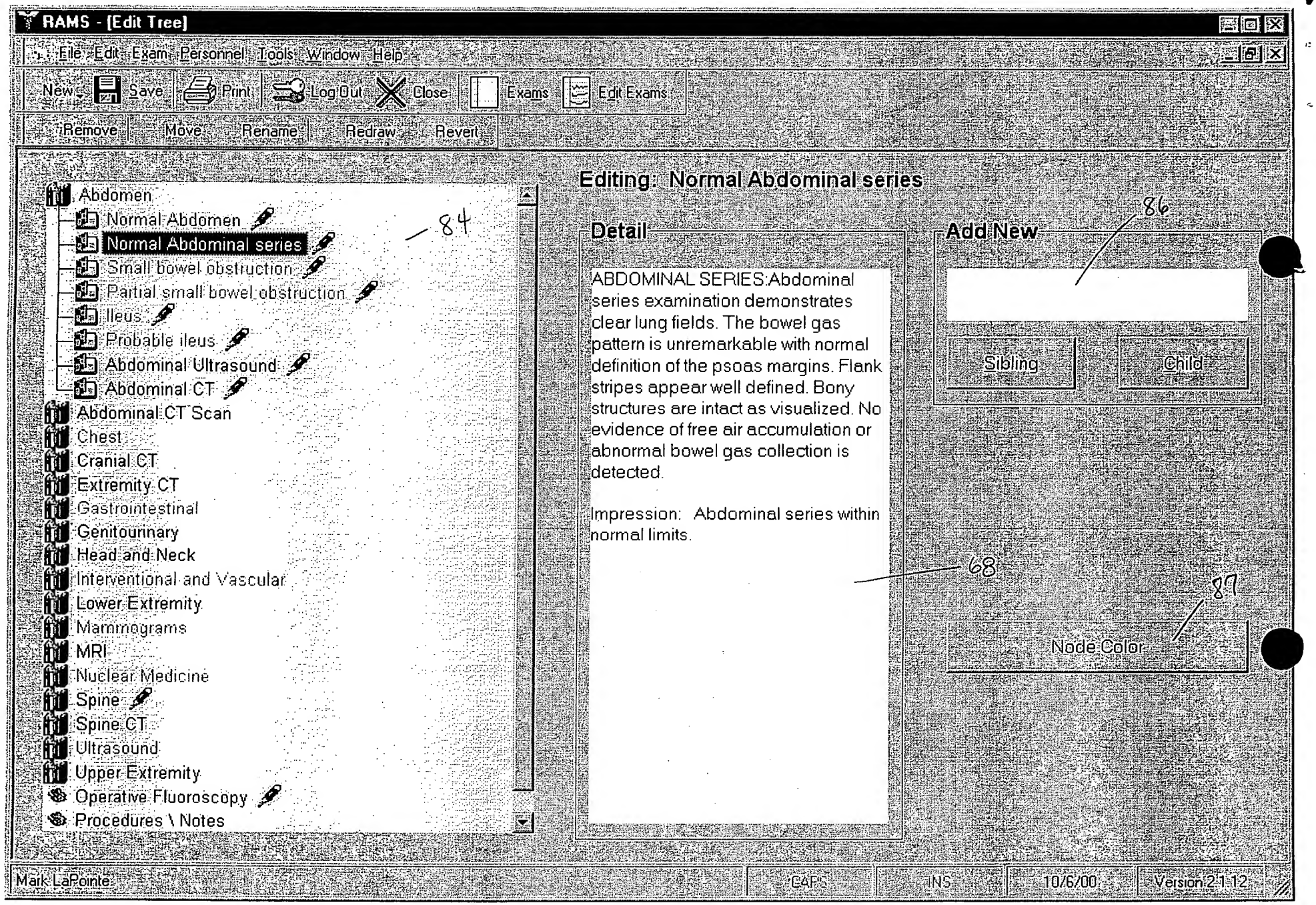
RAMS - [Edit Tree]
File Edit Exam Personnel Tools Window Help
New Save Print Log Out Close Exams Edit Exams
Remove Move Rename Redraw Revert
Abdomen
Normal Abdomen
Normal Abdominal series
Small bowel obstruction
Partial small bowel obstruction
Ileus
Probable ileus
Abdominal Ultrasound
Abdominal CT
Abdominal CT Scan
Chest
Cranial CT
Extremity CT
Gastrointestinal
Genitourinary
Head and Neck
Interventional and Vascular
Lower Extremity
Mammograms
MRI
Nuclear Medicine
Spine
Spine CT
Ultrasound
Upper Extremity
Operative Fluoroscopy
Procedures \ Notes
84
Editing: Normal Abdominal series
Detail
ABDOMINAL SERIES:Abdominal series examination demonstrates clear lung fields. The bowel gas pattern is unremarkable with normal definition of the psoas margins. Flank stripes appear well defined. Bony structures are intact as visualized. No evidence of free air accumulation or abnormal bowel gas collection is detected.
Impression: Abdominal series within normal limits.
68
Add New
86
Sibling
Child
87
Node Color
Mark LaPointe
CAPS
NS
10/6/00
Version 2.1.12

Figure 7

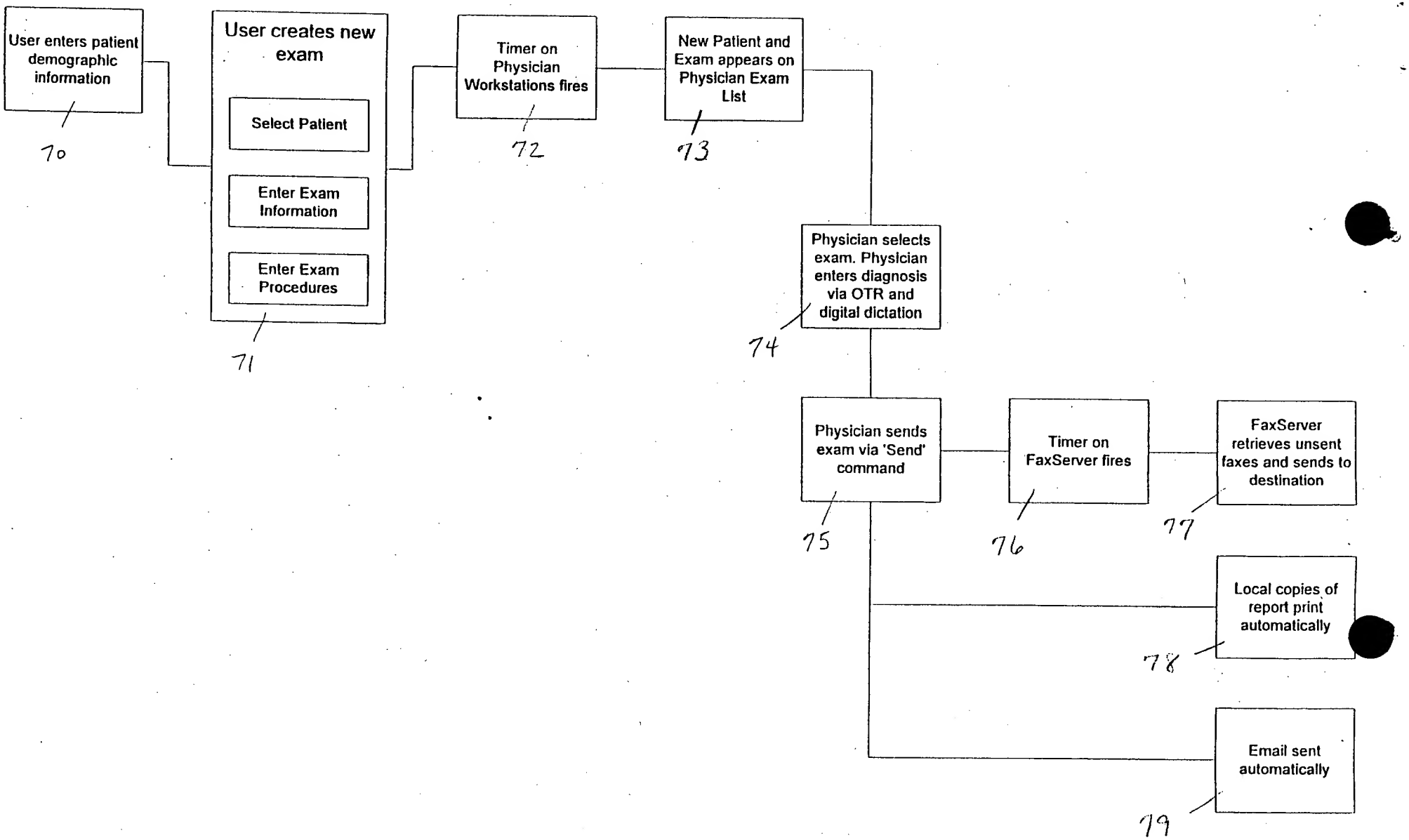
User enters patient demographic information
70
User creates new exam
Select Patient
Enter Exam Information
Enter Exam Procedures
71
Timer on Physician Workstations fires
72
New Patient and Exam appears on Physician Exam List
73
Physician selects exam. Physician enters diagnosis via OTR and digital dictation
74
Physician sends exam via 'Send' command
75
Timer on FaxServer fires
76
FaxServer retrieves unsent faxes and sends to destination
77
Local copies of report print automatically
78
Email sent automatically
79

Figure 8